STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT

					DIVISION O				,		AMEND	ED KEPO	KI 🔲		
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER NBU 1021-28E4BS					
2. TYPE OF WORK DRILL NEW WELL (REENTER P&A WELL) DEEPEN WELL)										3. FIELD OR WILDCAT NATURAL BUTTES					
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES					
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.										7. OPERATOR PHONE 720 929-6515					
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217										9. OPERATOR E-MAIL julie.jacobson@anadarko.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 21329 11. MINERAL OWNERSHIP FEDERAL INDIAN STATE										12. SURFACE OWNERSHIP FEDERAL INDIAN STATE FEE					
13. NAME	OF SURFACE	14. SURFACE OWNER PHONE (if box 12 = 'fee')													
15. ADDF	RESS OF SURF	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')													
17. INDI	IONS	Iling Application) NO VERTICAL DIRECTIONAL HORIZON						ITAL 🔵							
20. LOCATION OF WELL			FO	FOOTAGES		QTR-QTR		TION	TOWNSHIP	P RANGE		MERIDIAN			
LOCATION AT SURFACE				1733 FNL 2222 FWL		SENW		28		10.0 S	21.	0 E	S		
Top of Uppermost Producing Zone			21	2168 FNL 828 FWL			SWNW		8	10.0 S	21.0 E			S	
At Total Depth 21				68 FN	IL 828 FWL	S	SWNW	28		10.0 S 21		1.0 E S		S	
21. COUNTY UINTAH 22. DISTANCE TO NEAR							ST LEASE LINE (Feet) 328			23. NUMBER OF ACRES IN DRILLING UNIT 640					
25. DISTANCE TO NEAREST (Applied For Drilling or Cor										26. PROPOSED DEPTH MD: 9644 TVD: 9373					
27. ELEV	ATION - GROU	JND LEVEL 5332		28. BOND NUMBER 22013542					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496						
		n													
String	Hole Size	Casing Size	Length	Wei	_		Max Mud Wt.			Cement			Yield	Weight	
Surf	11	8.625	0 - 2160	20	3.0 J-55 LT8	ac .	0.2	-		Type V Class G		180 270	1.15	15.8 15.8	
Prod	7.875	4.5	0 - 9644	11	1.6 I-80 Butt	ress	12.5		Prem	nium Lite High Strength		270	3.38	11.0	
										50/50 Poz		1130	1.31	14.3	
					Αī	ТТАСН	IMENTS								
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES															
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN							
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)								FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
DRILLED		TOPOGRAPHICAL MAP													
NAME Danielle Piernot TITLE Regulato						atory Analyst PHONE 7			ONE 720	20 929-6156					
SIGNATURE					TE 03/11/2011		EMAIL danielle.piernot@anadarko.com								
	1BER ASSIGN)4751518(АР	APPROVAL					agill						
					Permit Manager										

T10S, R21E, S.L.B.&M. 889°41"W - 80.50 (G.L.O.) S89°43'43"W - 2658.68' (Meas.) S89°43'01"W - 2653.94' (Meas.) **Found 1977** Found 1977 Brass Cap, Brass Cap in Found 1977 Brass pile of stones. pile of stones. Cap, pile of stones. (Basis of Bearings) (Meas. **WELL LOCATION:** NBU 1021-28E4BS 2666.751 (Measured) N00°40'08"W - 2673.15' | ELEV. UNGRADED GROUND = 5332.1' S89°45'28"W - 5307 79' (Meas.) 1/16 Cor. Not 1/16 Cor. Not 79.74 (G.L.O.) N00°52'39"W Monumented Monumented 2222 Well Surface Position N00°57"W - 80.78 (G.L.O.) N00°44"W - 81.02 (G.L.O. 8281 Bottom of Hole S89°47'34"W - | 5302.96' (Meas.) 28 Found 1977 **Found 1977** 79.68 | (G.L.O.) Brass Cap in Brass Cap in pile of stones. pile of stones. NBU 1021-28E4BS (Surface Position) (Meas. NAD 83 LATITUDE = 39.921195° (39° 55' 16.300") LONGITUDE = 109.558179° (109° 33' 29.446") NAD 27 LATITUDE = 39.921229° (39° 55' 16.425") LONGITUDE = 109.557492° (109° 33' 26.972") - 2674.08 1/16 Cor. Not 1/16 Cor Not S89°50'34"W - 5297.98' (Meas.) Monumented Monumented 79.90 (G.L.O.) N00°53'25"W NBU 1021-28E4BS (Bottom Hole) NAD 83 LATITUDE = 39.919978° (39° 55' 11.921") LONGITUDE = 109.563125° (109° 33' 47.249") NAD 27 LATITUDE = 39.920013° (39° 55' 12.046") LONGITUDE = 109.562437° (109° 33' 44.774" Found 1977 Brass Found 1977 Found 1977 Cap, pile of stones. Brass Cap in Brass Cap in pile of stones. S89°53'12"W - 2646.99' (Meas.) pile of stones. S89°53'55"W - 2646.00' (Meas.) S89°51"W - 80.20 (G.L.O.) 1000 NOTES: 500 = Section Corners Located 1. Well footages are measured at right angles to the Section Lines. SCALE 2. G.L.O. distances are shown in feet or chains. SURVEYOR'S CERTIFICATE 1 chain = 66 feet. 3. The Bottom of hole bears S72°20'42"W 1456.51' THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE from the Surface Position. 4. Bearings are based on Global Positioning Satellite observations. AND CORRECT TO THE BEST OF MYRNOWLEDGE AND BELIEF. 5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'. GISTRATION NO. 602869: Kerr-McGee Oil & Gas Onshore, LP 1099 18th Street - Denver, Colorado 80202 **WELL PAD: NBU 1021-28F** (435) 789-1365 TIMBERLINE ENGINEERING & LAND SURVEYING, INC. NBU 1021-28E4BS 209 NORTH 300 WEST - VERNAL, UTAH 84078 **WELL PLAT** DATE SURVEYED: CONSULTING, LLC SHEET NO: SURVEYED BY: M.S.B. 11-01-10 2168' FNL, 828' FWL (Bottom Hole) 2155 North Main Street DATE DRAWN: Sheridan WY 82801 DRAWN BY: B.M. SW $\frac{1}{4}$ NW $\frac{1}{4}$ OF SECTION 28, T10S, R21E, 11-05-10 Phone 307-674-0609 Date Last Revised: S.L.B.&M., UINTAH COUNTY, UTAH. SCALE: 1" = 10001 2 OF 16 Fax 307-674-0182 12-14-10 E.M.S